

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P323675

Luminaire Tested: **GAN-SA1B-830-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-830-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4062 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

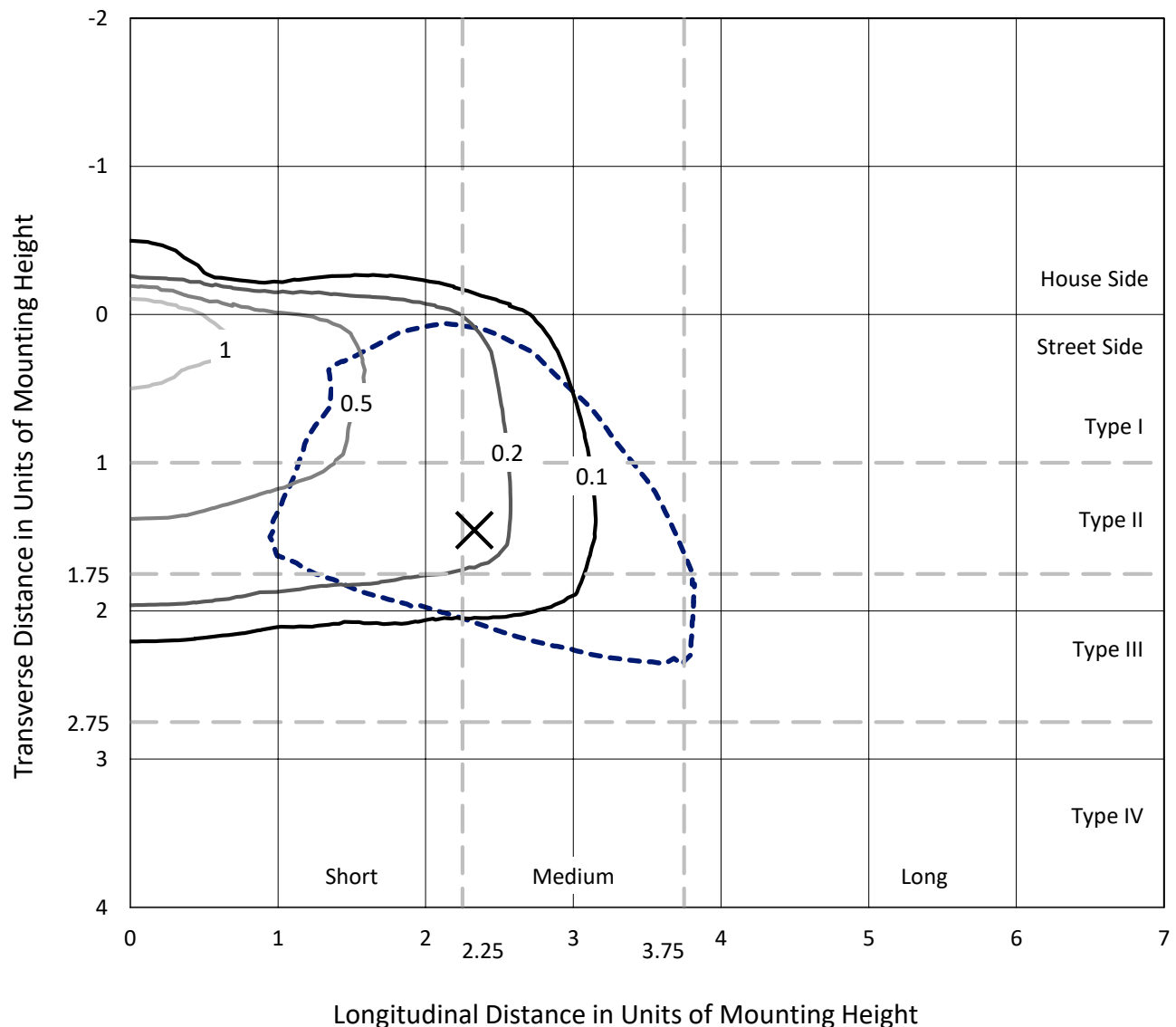
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323675
 CATALOG NUMBER: GAN-SA1B-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

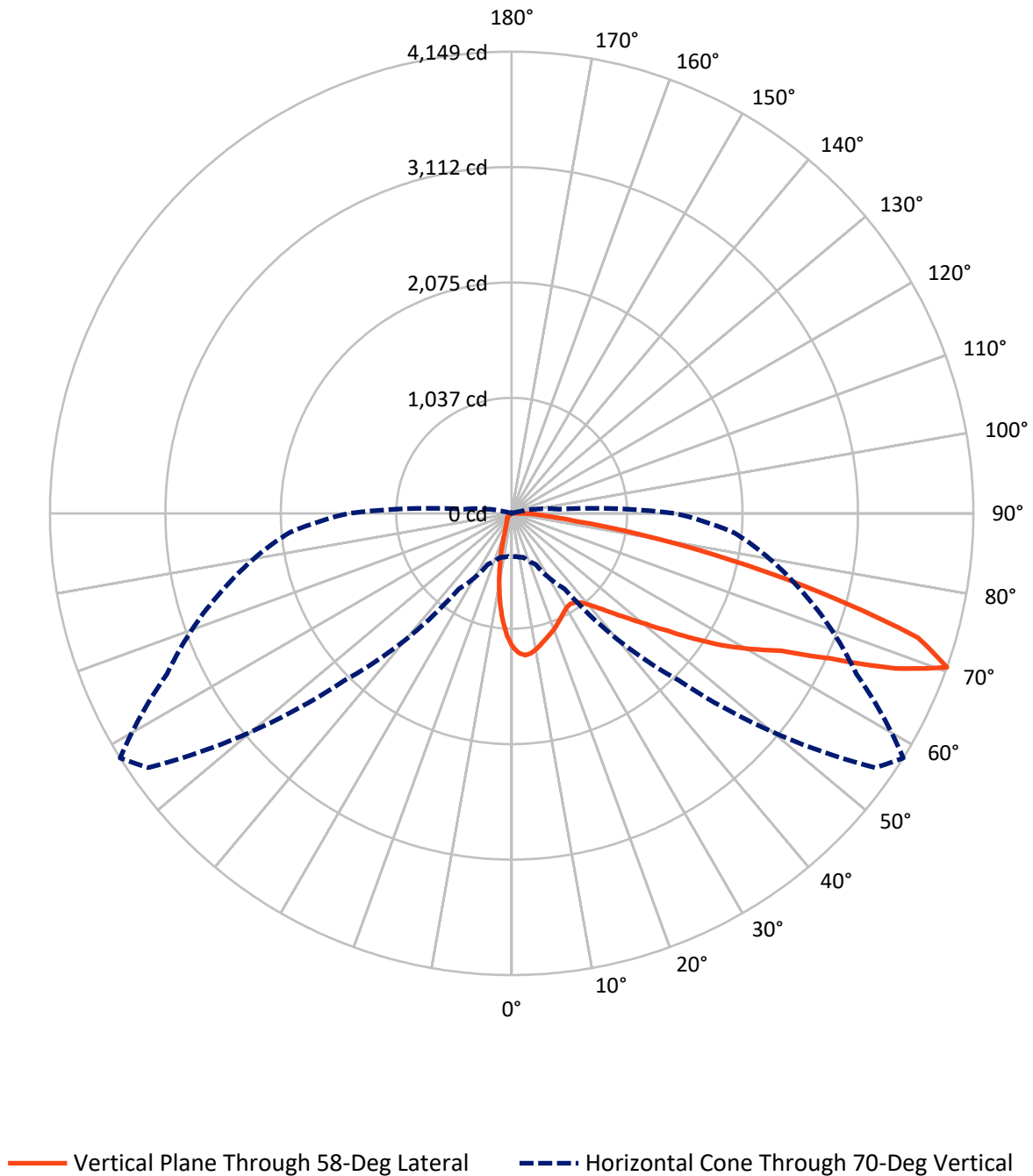
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P323675
CATALOG NUMBER: GAN-SA1B-830-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P323675

CATALOG NUMBER: GAN-SA1B-830-U-SL3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	347.6	0.0	347.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	3714.4	0.0	3714.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	4062.0	0.0	4062.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	2.4
10°-20°	205.9	5.1
20°-30°	270.7	6.7
30°-40°	358.6	8.8
40°-50°	535.9	13.2
50°-60°	858.5	21.1
60°-70°	1082.2	26.6
70°-80°	583.7	14.4
80°-90°	68.3	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4062.0	100.0
0°-180°	4062.0	100.0

Coefficient of Utilization



REPORT NUMBER: P323675

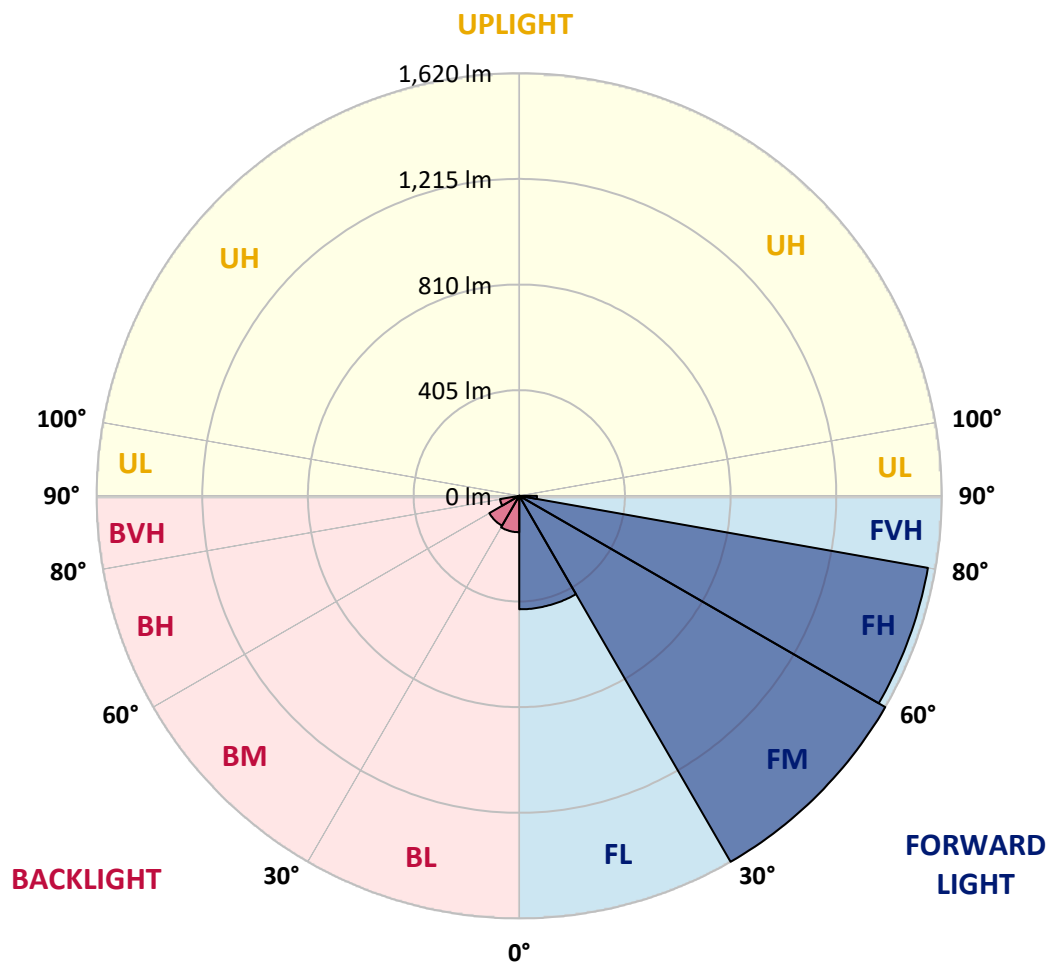
CATALOG NUMBER: GAN-SA1B-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	435.1	10.7			
FM	(30°-60°)	1620.4	39.9			
FH	(60°-80°)	1591.1	39.2			G1/1800
FVH	(80°-90°)	67.7	1.7			G1/100
BL	(0°-30°)	139.7	3.4	B1/500		
BM	(30°-60°)	132.6	3.3	B0/220		
BH	(60°-80°)	74.8	1.8	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





REPORT NUMBER: P323675

CATALOG NUMBER: GAN-SA1B-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9
2.5°	1299.4	1296.2	1295.0	1293.0	1285.2	1277.6	1262.6	1258.3	1248.9	1226.4	1202.6
5°	1300.4	1300.2	1303.8	1302.9	1300.2	1296.7	1285.9	1280.3	1264.2	1232.2	1188.6
7.5°	1237.7	1240.9	1248.9	1255.3	1262.7	1272.4	1273.7	1268.3	1255.1	1220.5	1162.7
10°	1153.6	1158.7	1169.8	1182.5	1201.9	1221.2	1238.4	1237.7	1233.2	1199.1	1131.7
12.5°	1069.3	1075.2	1088.1	1106.8	1134.4	1165.8	1196.5	1200.7	1208.3	1179.8	1102.9
15°	995.5	1000.6	1013.3	1036.2	1070.3	1112.6	1157.7	1165.4	1185.0	1164.8	1079.0
17.5°	932.9	936.1	945.4	970.9	1010.4	1061.6	1120.2	1135.4	1164.6	1152.9	1058.2
20°	889.1	889.6	895.7	913.6	953.1	1010.4	1081.3	1103.1	1143.0	1142.8	1036.7
22.5°	867.5	865.8	867.0	877.3	906.3	961.6	1042.5	1068.3	1123.6	1134.2	1014.9
25°	863.4	862.1	858.7	860.1	877.6	918.8	1003.3	1033.2	1106.5	1129.0	996.0
27.5°	876.1	877.5	871.7	865.6	867.0	891.1	968.5	1003.1	1092.6	1129.0	982.7
30°	901.6	902.3	898.1	890.1	879.5	883.4	944.3	979.0	1085.7	1136.7	974.2
32.5°	929.8	933.5	933.0	926.6	911.4	895.7	938.6	970.2	1085.2	1154.0	973.4
35°	964.8	969.0	976.1	974.7	958.9	933.0	958.2	983.0	1095.2	1182.3	982.5
37.5°	1001.9	1008.4	1023.6	1030.8	1020.5	991.3	1002.1	1019.8	1121.9	1228.3	1005.7
40°	1037.9	1045.2	1072.9	1101.4	1093.7	1063.6	1068.7	1082.8	1169.3	1294.3	1049.6
42.5°	1073.2	1084.0	1124.7	1171.7	1181.0	1157.0	1159.7	1171.0	1239.8	1385.2	1121.4
45°	1115.4	1127.6	1187.9	1245.8	1270.7	1260.2	1271.7	1279.1	1331.8	1505.3	1218.1
47.5°	1177.4	1191.5	1265.4	1331.5	1375.0	1381.8	1404.9	1409.8	1448.2	1645.1	1344.3
50°	1298.4	1302.3	1369.1	1429.1	1491.9	1532.5	1558.8	1562.5	1589.1	1798.0	1501.9
52.5°	1450.5	1453.1	1490.9	1531.1	1602.6	1685.3	1747.0	1752.2	1757.8	1947.0	1657.5
55°	1601.7	1601.4	1626.4	1650.0	1731.8	1852.0	1985.8	1989.0	1949.0	2088.3	1776.4
57.5°	1696.1	1705.3	1743.3	1773.7	1887.8	2042.1	2227.7	2239.5	2149.8	2193.1	1893.9
60°	1666.1	1670.5	1754.7	1867.2	2082.3	2312.1	2472.4	2475.5	2300.8	2297.6	2042.6
62.5°	1419.5	1421.8	1554.3	1786.2	2180.7	2662.4	2767.7	2718.2	2474.4	2442.7	2220.4
65°	972.9	988.3	1098.9	1385.5	1999.8	2882.2	3224.7	3142.8	2739.1	2651.8	2381.2
67.5°	572.9	569.7	624.4	835.6	1468.8	2736.2	3802.9	3721.5	3100.1	2791.8	2334.1
70°	391.4	389.2	410.1	505.9	829.2	2122.6	3984.8	4149.1	3418.8	2697.6	2008.8
72.5°	279.4	280.5	311.5	393.0	520.6	1236.7	3426.7	3815.7	3319.0	2351.7	1526.9
75°	189.7	192.9	237.1	322.4	456.4	629.2	2431.7	2900.6	2702.6	1709.1	877.6
77.5°	102.0	105.6	157.8	259.8	412.6	437.1	1564.2	1996.3	1697.7	768.3	254.4
80°	42.6	44.6	73.8	188.8	356.6	383.9	920.4	1210.5	723.4	151.5	56.8
82.5°	18.4	19.4	30.7	112.7	266.5	324.1	487.3	582.4	219.2	33.3	28.5
85°	3.5	3.7	12.7	59.6	170.1	182.9	315.9	309.6	98.5	14.4	20.8
87.5°	0.0	0.0	3.0	18.7	50.0	99.7	192.7	190.4	33.4	6.9	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P323675

CATALOG NUMBER: GAN-SA1B-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9	1199.9
2.5°	1190.4	1178.8	1154.3	1124.1	1100.9	1075.4	1055.1	1029.5	1018.3	1018.8	1012.7
5°	1163.8	1139.8	1085.5	1017.1	964.4	910.1	863.3	816.7	789.1	780.2	771.7
7.5°	1125.6	1087.6	1001.1	895.7	806.5	719.4	643.5	576.8	534.6	514.0	506.4
10°	1082.5	1029.1	904.0	765.1	637.8	519.9	421.6	336.1	302.0	278.9	272.9
12.5°	1044.7	972.4	809.1	631.2	480.0	337.8	244.1	190.9	167.7	158.6	157.1
15°	1009.0	919.3	717.7	509.9	332.4	207.9	155.2	137.2	131.7	130.2	130.2
17.5°	975.4	868.8	628.3	390.5	219.9	145.8	128.5	124.5	122.8	122.6	122.8
20°	940.3	818.3	540.5	286.1	153.5	123.5	118.7	116.5	116.0	116.0	116.0
22.5°	906.7	767.8	455.0	204.4	123.1	112.7	110.3	108.8	108.3	108.1	107.8
25°	874.4	719.9	371.6	144.4	108.1	103.2	101.2	99.1	97.6	96.8	96.3
27.5°	847.9	677.1	293.9	115.9	97.6	93.4	90.9	87.8	84.1	82.4	81.7
30°	826.8	638.1	226.5	97.8	87.8	83.6	79.7	74.5	69.1	66.2	66.0
32.5°	810.2	599.8	171.9	86.5	79.0	73.8	68.2	61.7	55.4	52.2	52.0
35°	802.1	566.0	131.4	78.2	71.3	64.7	57.8	50.5	44.4	41.4	41.0
37.5°	807.5	537.5	102.5	71.3	64.7	57.1	49.0	41.4	36.0	33.3	33.1
40°	827.3	519.2	83.3	65.4	59.1	49.8	41.0	33.9	29.4	27.2	27.0
42.5°	869.4	512.5	71.1	60.5	53.7	43.1	34.1	28.0	23.8	22.3	22.0
45°	939.6	522.4	62.8	55.7	48.1	36.7	28.2	23.0	19.3	18.1	17.9
47.5°	1033.2	548.6	56.9	51.2	43.1	30.9	23.5	18.6	15.7	14.5	14.4
50°	1153.8	590.2	52.0	46.6	38.3	26.2	19.4	14.7	12.2	11.3	11.3
52.5°	1285.0	639.6	47.6	42.4	33.6	21.8	15.7	11.3	9.6	8.6	8.6
55°	1393.5	682.9	42.9	39.2	27.9	18.1	12.0	8.6	7.1	6.6	6.6
57.5°	1501.7	729.0	37.5	33.6	22.3	14.7	9.1	6.4	5.2	4.9	4.9
60°	1642.1	785.4	32.3	27.4	17.6	11.1	6.8	4.6	3.9	3.7	3.7
62.5°	1796.5	818.5	27.5	22.0	13.7	8.3	4.9	3.0	2.9	2.9	2.7
65°	1890.9	771.7	23.1	17.6	10.6	6.2	3.2	2.2	2.5	2.4	2.0
67.5°	1770.5	604.2	18.9	13.7	8.3	4.7	2.0	1.5	2.7	2.2	1.7
70°	1465.9	422.9	14.7	9.6	6.6	4.1	1.4	1.0	2.9	2.2	1.4
72.5°	1097.0	283.1	11.7	6.4	4.9	3.5	1.2	0.5	2.5	1.9	1.2
75°	599.4	114.0	9.3	4.1	3.0	2.5	0.8	0.3	1.7	1.4	0.8
77.5°	157.8	30.1	6.8	2.7	1.7	1.0	0.5	0.2	0.8	0.7	0.3
80°	40.2	11.7	4.4	1.9	1.2	0.5	0.0	0.0	0.2	0.0	0.0
82.5°	21.5	4.9	2.7	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.2	3.2	1.5	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.2	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)